

Title (en)

NON-INVASIVE REPAIR AND RETROFITTING OF HARDENED REINFORCED CONCRETE STRUCTURES

Title (de)

NICHTINVASIVE REPARATUR UND NACHRÜSTUNG VON GEHÄRTETEN VERSTÄRKTEN BETONKONSTRUKTIONEN

Title (fr)

MODERNISATION ET RÉPARATION NON INVASIVES DE STRUCTURES EN BÉTON ARMÉ DURCI

Publication

**EP 3256433 A1 20171220 (EN)**

Application

**EP 16704570 A 20160209**

Priority

- EP 15154386 A 20150209
- EP 2016052700 W 20160209

Abstract (en)

[origin: EP3053901A1] The invention relates to an aqueous composition for repairing and/or sealing of hardened concrete structures, the aqueous composition comprising colloidal silica and polycarboxylate ether.

IPC 8 full level

**C04B 41/48** (2006.01); **C04B 41/50** (2006.01); **C04B 41/63** (2006.01); **C04B 41/68** (2006.01); **C04B 111/00** (2006.01); **C04B 111/72** (2006.01)

CPC (source: EP US)

**B05D 5/005** (2013.01 - US); **B05D 7/00** (2013.01 - US); **C04B 28/02** (2013.01 - US); **C04B 30/02** (2013.01 - US); **C04B 41/009** (2013.01 - EP US); **C04B 41/48** (2013.01 - US); **C04B 41/4857** (2013.01 - US); **C04B 41/50** (2013.01 - US); **C04B 41/5089** (2013.01 - EP US); **C04B 41/63** (2013.01 - US); **C04B 41/68** (2013.01 - EP US); **B05D 2203/30** (2013.01 - US); **B05D 2401/20** (2013.01 - US); **B05D 2504/00** (2013.01 - US); **C04B 2111/00663** (2013.01 - EP US); **C04B 2111/72** (2013.01 - US); **C04B 2111/723** (2013.01 - EP US)

Citation (search report)

See references of WO 2016128385A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3053901 A1 20160810**; AU 2016217974 A1 20170824; AU 2016217974 B2 20191128; CA 2976078 A1 20160818; CA 2976078 C 20230801; EP 3256433 A1 20171220; EP 3256433 B1 20200812; ES 2821741 T3 20210427; RS 60917 B1 20201130; US 10647616 B2 20200512; US 2018022656 A1 20180125; WO 2016128385 A1 20160818

DOCDB simple family (application)

**EP 15154386 A 20150209**; AU 2016217974 A 20160209; CA 2976078 A 20160209; EP 16704570 A 20160209; EP 2016052700 W 20160209; ES 16704570 T 20160209; RS P20201183 A 20160209; US 201615549789 A 20160209